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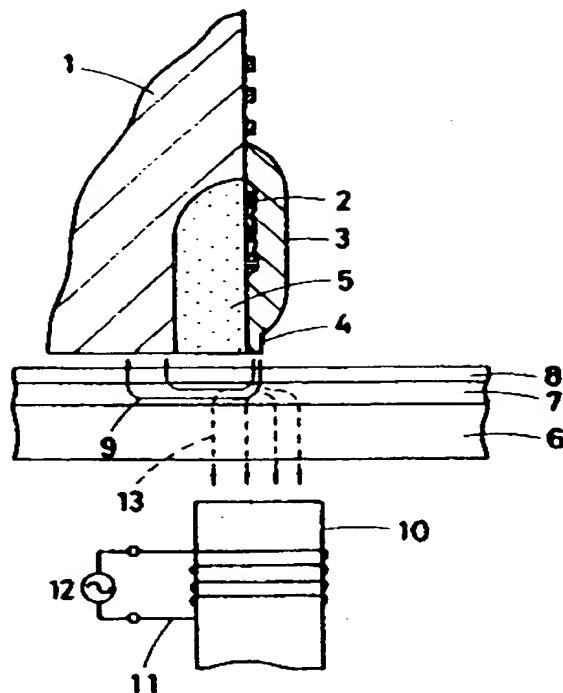
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : MITANI SATORU;

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TITLE : THIN FILM VERTICAL RECORDING HEAD



ABSTRACT : PURPOSE: To attain recording to a two-layer film medium of high saturation magnetization with a low level of magnetomotive force, by providing an AC bias magnetic field generating means which produces an AC bias magnetic field of a frequency high enough to give no effect to a recording signal.

CONSTITUTION: A winding 11 is wound around an auxiliary magnetic pole 10 made of a ferromagnetic matter such as ferrite, etc., and a current of a sine wave and a rectangular wave of a frequency several times as high as the maximum frequency of the signal to be recorded is applied to the winding 11 from an AC bias generating source 12. Thus a magnetic field obtained by superposing an AC bias magnetic field onto a recording magnetic field produced by the recording current flowed to a spiral thin film coil 2 is applied to a medium. Thus a Co-Cr vertically magnetized film 8 is magnetized up to its saturated level, and the same recording magnetic field as that obtained by a constitution of a single unit of the coil 2 can be obtained even with a small level of current flowed to the coil 2. Furthermore the effect of the AC bias frequency on a reproduction signal is avoided.

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